

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A cell disassembly device comprising:

a cell disassembly unit which disassembles a cell received from an ATM circuit interface, extracts data from payload, distributes data in plural time slots divided and multiplexed in time in frame period according to a sender, and sends out the distributed data to an STM circuit interface; and

a buffer provided in each time slot,

wherein said cell disassembly unit stores the data distributed in each time slot temporarily in said buffer, and absorbs fluctuations of the cell.

2. (Original) The cell disassembly device according to claim 1, wherein said cell disassembly unit accumulates data after start of communication by writing data distributed in each time slot into said buffer, reads out the data from said buffer, parallel to writing, when the data accumulated amount in said buffer reaches a prescribed amount, and sends out the read data to said STM circuit interface.

3. (Currently Amended) The cell disassembly device according to claim 2, further comprising a setting unit which sets the prescribed amount or a first prescribed time.

4. (Original) The cell disassembly device according to claim 3, further comprising a measuring unit which measures fluctuations of the cell, wherein said setting unit sets the value of the prescribed amount or first prescribed time on the basis of the result of measurement by said measuring unit.

5. (Currently Amended) The cell disassembly device according to claim 2, wherein the prescribed amount or first prescribed time is ~~present~~set independently ~~in~~for each buffer, and said cell disassembly unit determines the reading-start timing from said buffer independently in each buffer.

6. (Currently Amended) The cell disassembly device according to claim 2, wherein the prescribed amount or first prescribed time is ~~present~~set independently ~~in~~for each virtual path, and said cell disassembly unit determines the reading-start timing from said buffer independently in every one or two or more buffers corresponding to each virtual path.

7. (Currently Amended) The cell disassembly device according to claim 6, wherein said cell disassembly unit starts reading ~~action~~ out data from all buffers corresponding to the virtual path when the data accumulated amount reaches the prescribed amount or ~~passing-when~~ the prescribed first time passes from the start of communication, in more than a specified number of buffers out of one or two or more buffers corresponding to a same virtual path.

8. (Currently Amended) The cell disassembly device according to claim 6, wherein said cell disassembly unit starts reading ~~action~~ out data from all buffers corresponding to the virtual path when the data accumulated amount reaches the prescribed amount or ~~passing-when~~ the prescribed first time passes from the start of communication, in all buffers out of one or two or more buffers corresponding to a same virtual path.

9. (Currently Amended) The cell disassembly device according to claim 2, wherein said cell disassembly unit ~~once~~-stops, when an underflow occurs in the buffer, reading out from the buffer having the underflow, and resumes reading out when the data accumulated amount reaches again the prescribed amount or ~~passing-when~~ a second prescribed time passes after occurrence of the underflow.

10. (Currently Amended) The cell disassembly device according to claim 1, wherein said cell disassembly unit accumulates data after start of communication by writing data distributed in each time slot into said buffer, reads out the data from said buffer, parallel to writing, after ~~passing~~ a first prescribed time passes, and sends out the read data to the STM circuit interface.

11. (Currently Amended) The cell disassembly device according to claim 10, further comprising a setting unit which sets ~~the~~ a prescribed amount or the first prescribed time.

12. (Original) The cell disassembly device according to claim 11, further comprising a measuring unit which measures fluctuations of the cell, wherein said setting unit sets the value of the prescribed amount or first prescribed time on the basis of the result of measurement by said measuring unit.

13. (Currently Amended) The cell disassembly device according to claim 10, wherein the prescribed amount or first prescribed time is ~~present~~ set independently ~~in~~ for each buffer, and said cell disassembly unit determines the reading-start timing from said buffer independently in each buffer.

14. (Currently Amended) The cell disassembly device according to claim 10, wherein the prescribed amount or first prescribed time is ~~present-set~~ independently in ~~for~~ each virtual path, and said cell disassembly unit determines the reading-start timing from said buffer independently in every one or two or more buffers corresponding to each virtual path.

15. (Currently Amended) The cell disassembly device according to claim 14, wherein said cell disassembly unit starts reading ~~action~~ data from all buffers corresponding to the virtual path when the data accumulated amount reaches the prescribed amount or ~~passing~~ when the prescribed first time passes from the start of communication, in more than a specified number of buffers out of one or two or more buffers corresponding to a same virtual path.

16. (Currently Amended) The cell disassembly device according to claim 14, wherein said cell disassembly unit starts reading action from all buffers corresponding to the virtual path when the data accumulated amount reaches the prescribed amount or ~~passing~~ when the prescribed first time passes from the start of communication, in all buffers out of one or two or more buffers corresponding to a same virtual path.

17. (Currently Amended) The cell disassembly device according to claim 10, wherein said cell disassembly unit ~~once~~ stops, when an underflow occurs in the buffer, reading out from the buffer having the underflow, and resumes reading out when the data accumulated amount reaches again the prescribed amount or ~~passing when~~ a second prescribed time passes after occurrence of the underflow.

18. (Currently Amended) A cell disassembly method, the method comprising: for

disassembling a cell received from an ATM circuit interface, where the disassembling extracts data from payload, distributes data in plural time slots divided and multiplexed in time in frame period according to a sender, and sends out the distributed data to an STM circuit interface; and, ~~the method comprising the step of:~~

storing the data distributed in each time slot temporarily in a buffer provided in each time slot, and absorbing fluctuations of the cell.

19. (Currently Amended) A computer-readable recording medium recording a computer program for causing a computer to execute a cell disassembly method, the method comprising: for

disassembling a cell received from an ATM circuit interface, wherein the disassembling extracts data from payload, distributes data in plural time slots divided and multiplexed in time in frame

period according to a sender, and sends out the distributed data to
an STM circuit interface; and, ~~the method comprising the step of~~
storing the data distributed in each time slot temporarily in
a buffer provided in each time slot, and absorbing fluctuations of
the cell.

20. (New) The cell disassembly device according to claim 1, wherein
the buffer in each time slot includes a configuration that
determines the STM frame to which data read out from the time slot
is issued without using predetermined frame boundary information.